

IV-1901 DOUBLE BEAM UV-VIS SPECTROPHOTOMETER

PRODUCT FEATURES

- Bluetooth Connectivity
- Double Beam Optics
- 8.7 inch Tablet with 128 GB Storage.
- Auto Wavelength Setting.
- On-screen Standard and Kinetic Curve Display.
- Tungsten/Deuterium Lamp can be turned ON/OFF Individually to Extend Lifetime
- Application Software provides complete control of the instrument from a computer through the built-in USB Port.
- Basic, WL Scan, Multi-Wavelength, Kinetic, Quantitative, DNA/Protein modes
- Pre-aligned design makes it convenient to change Lamps.
- Large Sample Compartment can accommodate 5-100 mm path-length cuvettes with optional holders.

ACCESSORIES

- Quartz Cuvettes - A set of 2
- Glass Cuvettes - A set of 4
- 8.7 Inch Tablet With 128 GB Storage
- Instruction Manual
- Mains Lead
- Dust Cover

BLUETOOTH ANDROID SOFTWARE



Technical specification

Wavelength Range \Accuracy \Repeatability \Setting	190-1100nm ± 0.5 nm ≤ 0.2 mm \Auto, Resolution 0.1nm
Spectral Bandwidth	1nm
Optical System	Double Beam, Blazed Holographic Grating (1200 lines/mm)
Photometric Range \ Accuracy \ Repeatability	0~200%T, -4~4A, 0~99999C ± 0.002 A (0~0.5A), ± 0.003 A (0.5~1A), $\pm 0.3\%$ T (0~100%T) ≤ 0.001 A (0~0.5A), ≤ 0.002 A (0.5~1A), $\leq 0.2\%$ T (0~100%T)
Stray Light	$\leq 0.05\%$ T (220/360nm)
Scan Speed	High, Medium, Low. Max.2000nm/minute
Baseline Flatness	± 0.0015 A
Stability	± 0.001 A/h (500nm,0A)
Noise	$\leq 0.2\%$ T/3min (250/500nm,0%T); $\leq 0.5\%$ T/3min (250/500nm,100%T)
Sample Compartment	10mm Pathlength Cuvette
Detector	Silicon Photodiode
Lamps	Tungsten Lamp & Deuterium Lamp (Pre-aligned)
Output Port	USB Port
Printer	Mini Serial Printer; PC Printer
PC Software	UV Analyst Scanning Software